SANYO

EDTV
ENHANCED DEFINITION TELEVISION

Model No.: **DP42545**

Plasma TV

Owner's Manual

ENGLISH

As Real As It Gets!

"Read this manual before assembling (or using) this product."

Need assistance?

Visit our website at www.sanyoctv.com

or

Call toll free 1.800.877.5032

We Can Help!

DOLBY
D I G I T A L

CAUTION	THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUT-ING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.
RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THIS UNIT.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit fully into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. In the U.S. Selection 810-21 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrodes.

EXAMPLE OF ANTENNA GROUNDING ACCORDING TO NATIONAL ELECTRICAL CODE, ANSI/NFPA 70
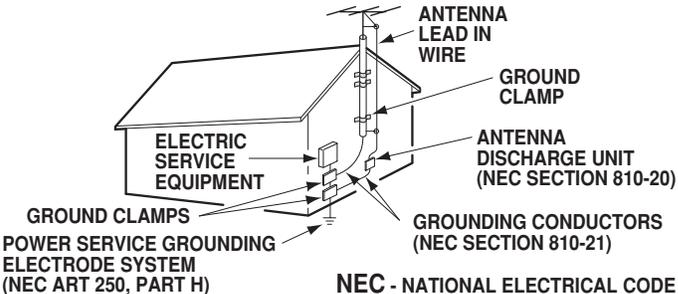
"Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electrical light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. "Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus."

Welcome to the World of Sanyo

Thank you for purchasing this Sanyo Plasma television. You made an excellent choice for Performance, Reliability, Features, Value, and Styling.

Important Information

Before installing and operating this Plasma TV, read this manual thoroughly. This Plasma TV provides many convenient features and functions. Operating the Plasma TV properly enables you to manage those features and maintain it in good condition for many years to come. Improper operation may result in not only shortening the product-life, but may also cause malfunctions or other serious problems.

If your Plasma TV seems to operate improperly, read this manual again, check operations and cable connections and try the solutions in the "Helpful Hints" section, page 29 of this manual. If the problem still persists, visit our website at **www.sanyoctv.com** or call 1.800.877.5032. *We Can Help!*

CONTENTS

FEATURES

- 42" Plasma Screen
- RF Antenna Input Jacks: Digital and Analog
- Built-in Digital and Analog Tuners
- Receivable Formats: ATSC Digital Tuner for Terrestrial Broadcasts and non-scrambled (ClearQAM) broadcasts, NTSC Analog Tuner for VHF / UHF or CATV
- Receives 181 Analog Channels (VHF 2~13 and UHF 14~69; Cable TV 1, 14~125); and 99 Digital Channels
- Automatic Channel Search
- Channel Scan Memory
- Initial Channel (Analog Only)
- Auto Shut Off
- 3-D Digital Comb Filter (for better picture detail)
- V-Chip for Movies and TV Guidelines Rating Limits (Parental Control)
- Closed-Captioning: Analog EIA-608B and Digital EIA-708B
- Audio Modes: TV—Main and Sub NTSC—Stereo, Mono, and SAP
- Front Surround Sound

- Bass / Treble
- Audio Format: Dolby® Digital for TV and Analog for NTSC
- Front Speakers 6 x 12 cm (two)
- Trilingual Menu Options
- Factory Preset Adjustments for Picture / Sound
- Picture Shape: Normal, Full, Zoom 1, and Zoom 2
- Color Enhancer
- Dynamic AI (Auto-Image Control)
- Date / Time (Auto Clock)
- Sleep Timer (3 hours)
- Component Video Input (two sets)
- Rear AV Input
- S-Video Input
- Optical Digital Audio Out
- Fixed Audio Out
- XDS (Extended Data Services) Displays Station Call Letters, Title of Show, and Ratings when Broadcast
- 32-Key Remote Control

SPECIFICATIONS

Screen Size:	42 inches (Measured Diagonally)
Panel Type:	Plasma Display
Aspect Ratio	16:9
Display area:	716 mm (W) x 399 mm (H)
Resolution:	852 x 480 pixels
Color System:	NTSC
Scanning Format:	480p (all signals are converted to 480p)
RF Antenna Input:	Analog–UHF / VHF / CATV 75 ohm Digital–75 ohm
Power Requirement:	Source: AC 120V, 60Hz
Power Consumption:	300 Watts (Maximum)
Sound:	Two Speakers, size: 6x12cm
Amplifier:	Built-in with 5.0W/ch

Jacks and Connectors:

Video1 Input:	S-Video1, Video and Audio L / R
Component2 Input:	Component (Y / Pb / Pr)
Component3 Input:	Component (Y / Pb / Pr)
Digital Audio Output:	S/P DIF or PCM
Analog Audio Output:	Audio L / R
Service Input Jacks:	For Production use only

Size and Weight (approximately):

Horizontal Dim. (Width):	47.5 in. (1205.8 mm)
Vertical Dim. (Height):	28.2 in. (715.2 mm)
Depth Dim. (Thickness):	9.8 in. (248.3 mm)
Weight:	84.1 lbs., (38.2 Kg)

Environmental Considerations

Operating Temperature:	32°F ~ 104°F (0°C ~ 40°C)
Humidity:	20 ~ 80%
Storage Temperature:	14°F ~ 122°F (-10°C ~ 50°C)
Humidity:	20 ~ 80 %

Specifications are subject to change without notice.

CAUTION: FCC Regulations state that improper modifications or unauthorized changes to this unit may void the user's authority to operate the unit.

Trademarks Information:
Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

HANDLING PRECAUTIONS

⚠

- Handle the Plasma TV carefully when installing. Do Not Drop.

- Locate the set away from heat, excessive dust, and direct sunlight.

  NOTE: When the Plasma TV is not used for a long period of time, dark dots may be observed. This is a characteristic of the Plasma display. If this occurs, turn the Plasma TV On and leave it on about one hour. These dots will gradually disappear.

- Throughout the installation process, handling by more than two people is recommended.

- When removing the feet, use a working space that is larger than the screen size. The work surface must be flat and covered with a soft cloth or blanket to protect the screen surface.

- Before placing the Plasma TV face down, make sure there are no objects under the screen. Leaving any object may cause damage on the screen surface.

Hand Slots
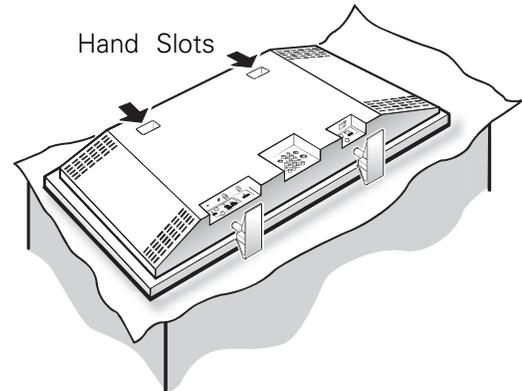
CARE AND CLEANING

CLEANING THE PLASMA TV

The surface of the cabinet can be damaged if not properly maintained. Many common household aerosol sprays, cleaning agents, solvents, and polishes will cause permanent damage to the fine surface.

1. **Unplug the power cord before cleaning the Plasma TV.**

2. **Gently wipe the screen and cabinet with dry soft cloth.**

The screen is likely to be damaged if it is not maintained properly. Do not use hard objects like a hard cloth or paper. Do not use solvents or abrasives.

CARING FOR THE PLASMA TV

Do not bump or scratch the panel surface as this causes flaws on the surface of the screen.

Do not display a still image on the screen for a long time. Otherwise, an afterimage or ghost may appear on a part of the panel. To prevent this symptom, use the "*Screen Saver*" function of the Plasma TV. See page 26.

There may be some tiny black points and/or blight points on the Plasma Display Panel. These points are normal.

NOTES: Never spray liquids on the screen.
Do not use benzene, thinner, or any volatile substances to clean the Plasma TV. These chemicals may damage the cabinet finish.

CHILD SAFETY ⚠

Sanyo is committed to making home entertainment safe and enjoyable. Always use an appropriate table or stand when positioning your TV. Use appropriate brackets, braces, or straps to anchor your furniture in place. But never screw anything directly to the television.

Do not place televisions on dressers, shelves, desks, carts, etc. where curious or excited children could pull, push, or otherwise cause the unit to fall and cause personal injury.

Never place toys or other items on top of the TV that could pique children's curiosity causing them to climb about the furniture.

Always use stands that are designed to support the size and combined weight of your television and other electronic devices.

POSITIONING PRECAUTIONS ⚠

• Place this Plasma TV as indicated here. Failure to do so may result in a fire hazard. Allowing the proper amount of space at the top, sides, and rear of the Plasma TV cabinet is critical for proper air circulation and cooling of the unit. The dimensions shown here indicate the minimum space required. If the Plasma TV is to be built into a compartment or similarly enclosed, these minimum distances *must be* maintained.

• Do not cover the ventilation slots on the Plasma TV. Heat build-up can reduce the life of your Plasma TV, and can also be dangerous.

• If the Plasma TV is not to be used for an extended period of time, unplug it from the power outlet.
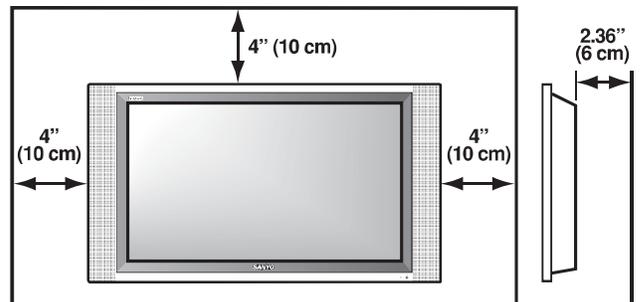
Removing the Plasma Feet

Remove two (2) screws from each foot bracket, then slide the feet out of the brackets.
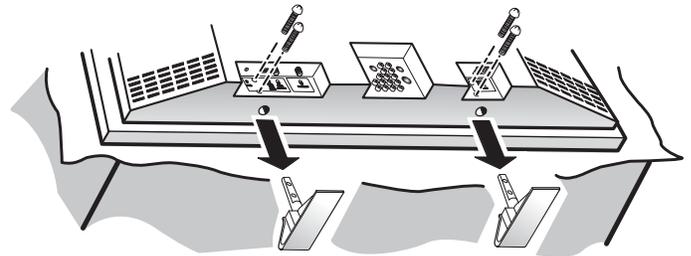
FIRST-THINGS-FIRST

This Plasma television will reproduce a crystal clear Digital picture and exceptional sound.

The signal makes the difference!

1 INITIAL SIGNAL CONNECTIONS

Digital (DTV) RF Antenna Connection

● Connect an RF Antenna to the Digital Antenna In terminal.

The Digital tuner in this Plasma TV receives *digital* signals from an external antenna. Digital signals from a STB are received through the Component In jacks (see page 11).

Digital Antenna Input

Digital RF Antenna

DIGITAL AUDIO OUTPUT

UHF/VHF/CATV

Plasma TV Back
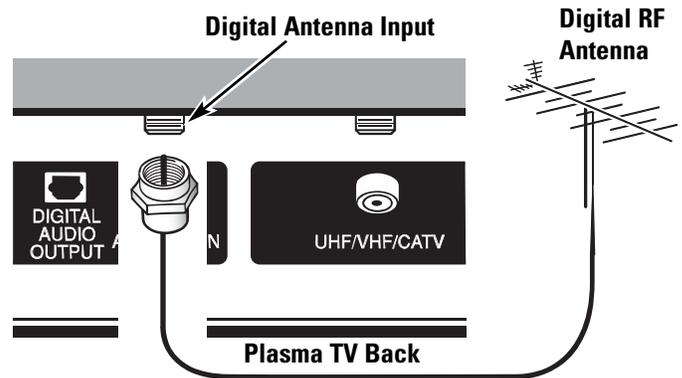
Analog RF Antenna Connection

● Connect a Cable signal (with or without a cable box), Satellite Receiver, or RF antenna to the Analog RF input.

The analog tuner in this Plasma TV receives Analog Antenna signals, Analog Cable signals, or the RF output from a Satellite Receiver, VCR, or cable box.

Plasma TV Back

UHF CATV

IN FROM ANT.

OUT OUT TO TV

VCR Back

Analog Cable

OR

Plasma TV Back

UHF CATV

IN FROM ANT.

OUT OUT TO TV

VCR Back

Analog Satellite Receiver

CATV IN OUT TO TV S-VIDEO VIDEO L-AUDIO-R VIDEO L-AUDIO-R IN FROM SAT.

OR

Plasma TV Back

UHF CATV

IN FROM ANT.

OUT OUT TO TV

VCR Back

Analog RF Antenna
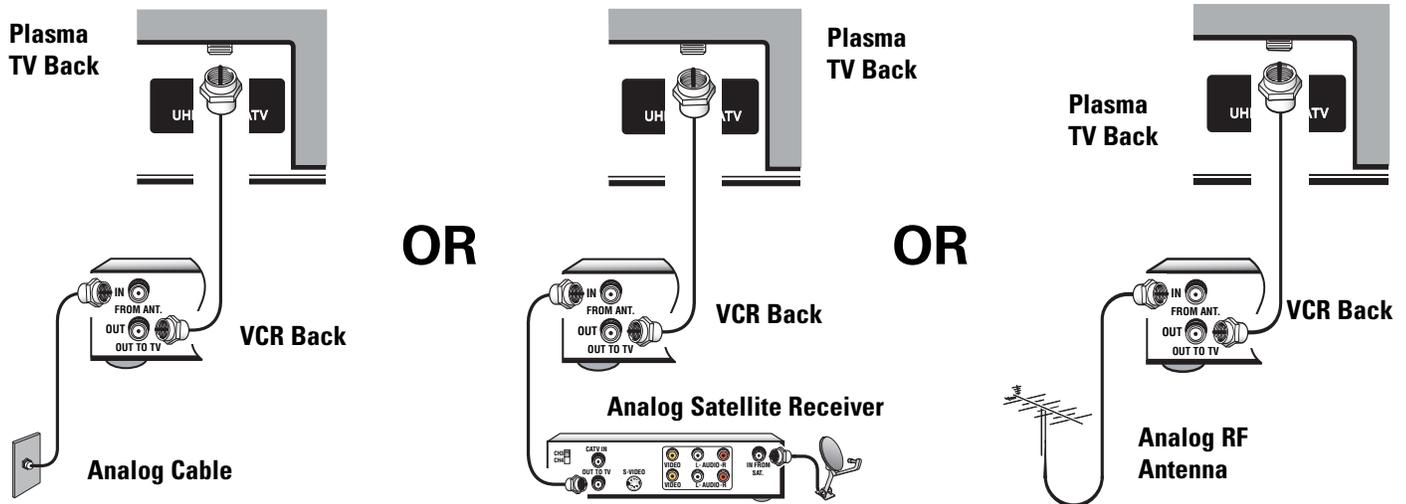
CATV FRANCHISE NOTE: Cable companies, like public utilities, are franchised by local government authorities. To receive cable programs, even with equipment which is capable of receiving cable channels, the consumer must subscribe to the cable company's service.

NOTES: If you do not have a VCR, connect signal directly to TV 75 ohm terminal (UHF/VHF/CATV).

The only resolution available with any of these analog connections, regardless of the original content, is standard analog (SDTV).

Quick Tips

■ If you move the TV to a new location, press the **RESET** key twice after connecting the signal and turning on the TV.

■ TV will automatically select an Antenna mode for the type of Analog RF signal connected (Antenna or Cable).

■ Use "Antenna Selection" in the Setup menu to change the Antenna Mode, if necessary, see page 18.

■ When tuned to an analog channel, the TV will switch off automatically after 15 minutes if there is no signal reception (cable out or station not broadcasting).

Exception—When the Video mode is selected, the TV will not automatically switch off when signal reception has stopped for 15 minutes.

2 INSTALL BATTERIES

- Install **two "AAA" Batteries** (not included) so that the "+" and "−" marks on the batteries match the "+" and "−" marks inside the Remote.

To review the remote control functions, go to pages 14~15.
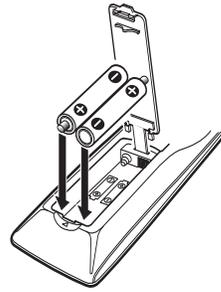
IMPORTANT NOTE: Spent or discharged batteries must be recycled or disposed of properly in compliance with all applicable laws. For detailed information, contact your local County Solid Waste Authority.

3 CONNECT AC POWER CORD

- Connect AC Power Cord (supplied) to the Plasma TV and electrical outlet as shown here.

The AC outlet must be near this equipment and must be easily accessible.
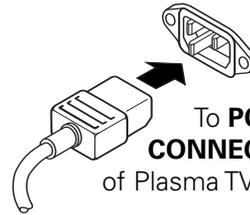
To **POWER CORD CONNECTOR** on back of Plasma TV.
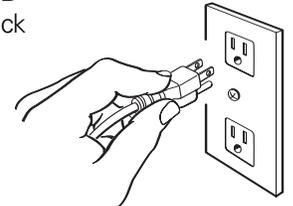
To 120 V AC outlet.

4 CHANNEL SEARCH (REQUIRED SET-UP)

When the television is powered on for the first time, it automatically checks for the presence of Digital and Analog RF signals.

- Press the **POWER** key to turn on the TV.
- Then press the **CHANNEL UP** key to automatically search for available channels: Digital (ATSC) and Analog (NTSC).

If an analog channel was found, the TV will start Auto Clock Setting (see step 5).

NOTES: Channel information found during channel search is stored in two Channel Scan Memory databases (Analog and Digital). After channel search is completed, the TV will tune to the lowest Digital channel or lowest Analog channel if no digital channels are found.

If the TV does not detect any digital or analog channels, a message advising the viewer to check the cables and antenna connections will appear. In this case, you **must** press the **CHANNEL UP** key again to repeat the channel search process. If after two searches the TV still fails to detect any channels, the TV will tune to analog channel 3. **These two channel searches are required even if you plan to use the TV only as a monitor**.

If no analog or digital channels are found after the second search, Channel Search will default to off-air analog channels 2 through 69 and digital channel D3-1. Select analog channels using the remote control keypad. See page 14, item number 2.

First

Please connect all signals and antennas to jacks and the terminals on the back.

Then press CHannel UP key.

Please wait, while your TV searches for available channels

50%

Analog Antenna 34

5 AUTO DATE AND TIME SETTING (OPTIONAL)

If an analog channel was found during channel search, the TV will begin Auto Date and Time setting. This feature searches for a local PBS station that is broadcasting Date and Time data. These data are used to automatically set the date and time. (This may take several seconds.)

After the Date and Time are set, the lowest Digital channel (or lowest Analog channel if no active digital channel is stored in the Channel Scan Memory) will be tuned.

To cancel auto Date and Time setting, press the **CHANNEL UP** key. To set the Date and Time manually, see page 24.

6 ANTENNA SELECTION (OPTIONAL)

To change the initial analog tuning system setup (from antenna to cable or cable to antenna), use the on-screen menu. See "Antenna Selection" on page 18.

GLOSSARY OF CABLE TYPES

Audio Cables—Provides analog left and right audio for your external equipment connections.
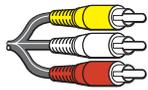
Composite Audio/Video (RCA type)—Use these cables for standard analog audio/video connections. Normally cables are color-coded: Yellow for Video, White for (L) Audio, and Red for (R) Audio.
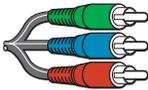
Component: Y, Pb, Pr—Use these cables to connect your component equipment. This connection provides the best picture, but does not include sound. (Cable colors: Y=green, Pb=blue, and Pr=red.)

Optical Audio—Use this cable to connect the TV's digital audio output to a multi-channel audio receiver.

S-Video Cable—This cable provides separate luminance and color signals for higher resolution and better picture quality. Use this cable instead of the regular composite video cable (RCA type), when available.

Coaxial Cable—Use to connect a signal to your Digital or Analog RF Antenna In terminal.

NOTE: None of these cables are supplied with this Plasma TV.

TOP AND BACK PANELS

Channel ▼▲ keys

Power key

Volume – + keys

Top Panel (see items 8, 11, & 17 on page 15)

Back Panel (L)

SERVICE   DIGITAL AUDIO OUTPUT   DIGITAL ANTENNA IN   UHF/VHF/CATV

Back Panel (L)—Bottom View

AUDIO OUTPUT   VIDEO 1 S-VIDEO   COMPO 2   COMPO 3   RESET   SERVICE   AC IN 120V

Back Panel (R)
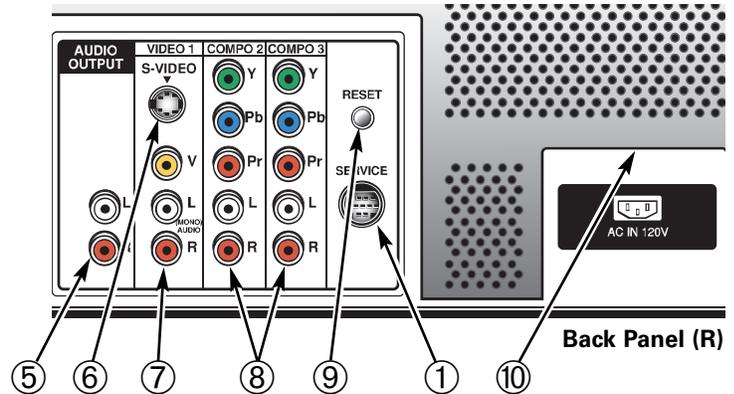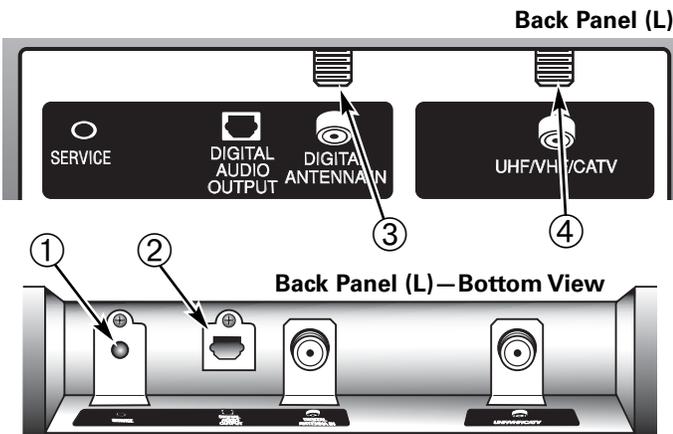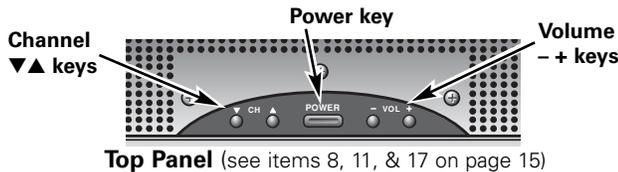
① **Service Jacks**—For production use only.

② **Digital Audio Output**—Use an Optical Audio cable to connect the Digital Audio Output to an advanced stereo home theater system equipped with Dolby® Digital 5.1.

③ **Digital Antenna Input**—Connect an RF antenna coaxial cable to this terminal as shown on page 7.

④ **Analog Antenna Input**—Connect an RF antenna or the RF output from a VCR or Satellite Receiver to this terminal using a coaxial cable as shown on page 7.

⑤ **Analog Audio Out (L/R) Jacks**—Connect external audio equipment here. (See page 13.)

⑥ **S-Video Input (Video 1)**—To enhance video detail connect an S-Video cable to the S-Video jack instead of using the Video jack, if available on your external equipment. (S-Video connection will override connection to the Video 1 input jack.)

⑦ **Audio/Video Input (Video 1)**—Connect standard video equipment here using a composite audio/video cable (see page 12).

NOTE: S-Video connection overrides the Video 1 composite connection.

⑧ **Component Video and Audio Input (COMPO 2 & COMPO 3)**—Connect digital video equipment to the Y, Pb, Pr video and L/R audio jacks using a Component cable and an Audio cable.

⑨ **Reset Button**—Press this button to reset the TV's digital microprocessor if the image "freezes" or "stalls."

⑩ **AC IN 120V**—Connect power cord here. See page 8.

9

CHOOSE YOUR CONNECTION

This Plasma TV is designed to handle several different connections making it compatible with Digital and Analog devices.

In order to receive the best performance from your Plasma TV, choose your connection using this chart; then go to the specified page for detailed instructions.

Digital Signal Connections	Compatible External Equipment	Cables Needed (Not Supplied)	Go to Page
COMPONENT IN (Y, Pb, Pr) *Will accept HDTV, EDTV, & SDTV video content (requires separate analog audio connections).*	**DIGITAL CABLE BOX / DVD PLAYER** **DIGITAL SATELLITE RECEIVER**	Component Video Cable Audio Cable	**11**
DIGITAL AUDIO OUT *(Only available when received as part of a Digital RF signal)*	**MULTI-CHANNEL RECEIVER**	Optical Digital Cable	**11**
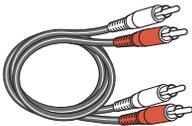
| Analog Signal Connections	Compatible External Equipment	Cables Needed (Not Supplied)	Go to Page
COMPOSITE VIDEO or **S-VIDEO IN** **LEFT & RIGHT ANALOG AUDIO IN**	**ANALOG CABLE BOX / DVD PLAYER** **SATELLITE RECEIVER** **VCR**	Composite Video Cable S-Video Cable	**12**
ANALOG AUDIO OUT	**STEREO AMPLIFIER SYSTEM**	Audio Cable	**13**
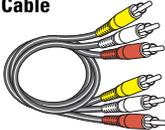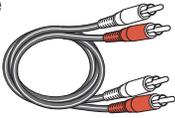
USE THE COMPONENT JACKS TO CONNECT A DVD PLAYER OR OTHER DIGITAL EQUIPMENT

Switch off TV and external equipment before connecting cables. (*Cables are not supplied.*) Follow these steps to easily connect your STB or DVD to this Plasma TV.

1 Connect a DVD Player's (or other digital equipment's) Component Video Out to the TV's Component Video Input jacks.

2 Connect a DVD Player's (or other digital equipment's) Audio Out to the TV's Component L/R Audio Input jacks.

3 Press the **POWER** key to turn on the Plasma TV. Turn on external equipment.

4 Press the **INPUT** key to select the Input source (Compo 2 or Compo 3).

NOTE: "No Signal" will appear on the screen for five seconds when no signal or an unacceptable video format signal is detected at the Compo 2 or Compo 3 inputs.

DVD Player
(or other Digital Device, such as, a Digital Satellite Receiver, or Digital Cable Box)

1

2

TV Back Component Jacks

Remote Control

4 **3**
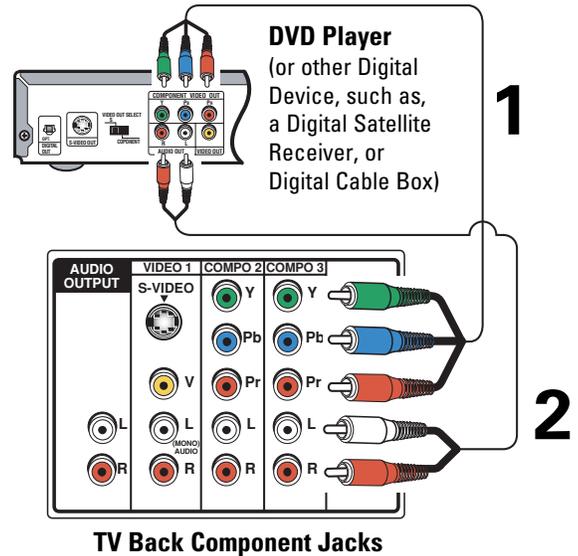
What you will need for connections:
Component Video Cable – 1
Audio Cable – 1

Quick Tips

■ Compo 2 and Compo 3 jacks are identical. Compatible equipment can be connected to either set of jacks, such as, a DVD player connected to Compo 3 and a Satellite Receiver connected to Compo 2.

■ Press the **INPUT** key after connecting the cables to select the Component 2 or Component 3 input signal. There is NO need to tune to a blank channel.

CONNECTING DIGITAL AUDIO OUTPUT TO A MULTI-CHANNEL RECEIVER

Dolby® Digital Audio provides 5.1 channels of surround sound (five full-range channels [5] and one low-frequency effect channel [.1]). A fiber optics cable is used to carry the 5.1 surround sound (for low-noise signal transfer).

1 Using a Fiber Optics cable, connect the TV's Digital Audio Output to the Digital Audio Input of a Multi-Channel Receiver. (Fiber optics cable is not supplied.)

2 Press the **POWER** key to turn on the TV, then turn on the external equipment.

NOTES: When making the connection, do not pinch or kink the fiber optics cable.

Red light visible at the Digital Audio Output does not necessarily indicate that Dolby 5.1 audio is available. Digital audio is made up of light pulses that the human eye cannot detect. Dolby 5.1 audio is available at the Digital Audio Output only when received as part of a Digital antenna signal.

Multi-Channel Receiver

1

Back View of Plasma TV

Optical Digital Cable

DIGITAL AUDIO OUTPUT   DIGITAL ANTENNA IN
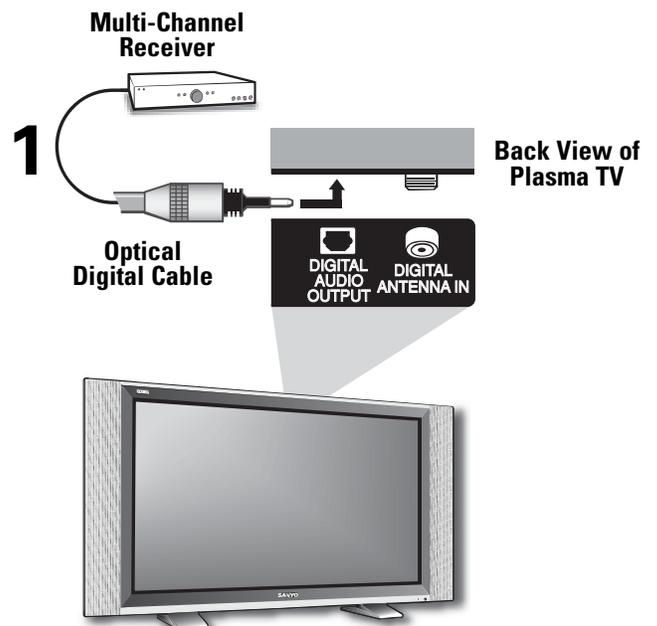
USE THE VIDEO1 JACKS TO CONNECT A VCR OR OTHER ANALOG DEVICE

Switch off TV and external equipment before connecting cables. *(Cables are not supplied.)* Follow these steps to easily connect your VCR.

1 Connect VCR's Audio / Video Out to the TV's Video1 In Jacks.

NOTE: For Mono VCR (single audio jack) connect VCR's Audio Out to TV's Audio (L) Input.

Optional

2 Connect VCR's S-Video Out to the TV's S-Video In Jack.

NOTE: S-Video jack connection overrides a Video jack connection.

3 Press the **POWER** key to turn on the TV, turn on external equipment.

4 Press the **INPUT** key to select Video1 to view the VCR program.

NOTE: "No Signal" will appear on the screen for five seconds when no signal is detected at the Video1 input.

Quick Tips

■ Press the **INPUT** key after connecting cables to access the Video1 Input. There is NO need to tune to a blank channel.

■ Any compatible analog video device can be connected to these jacks.

Remote Control

Back View of VCR
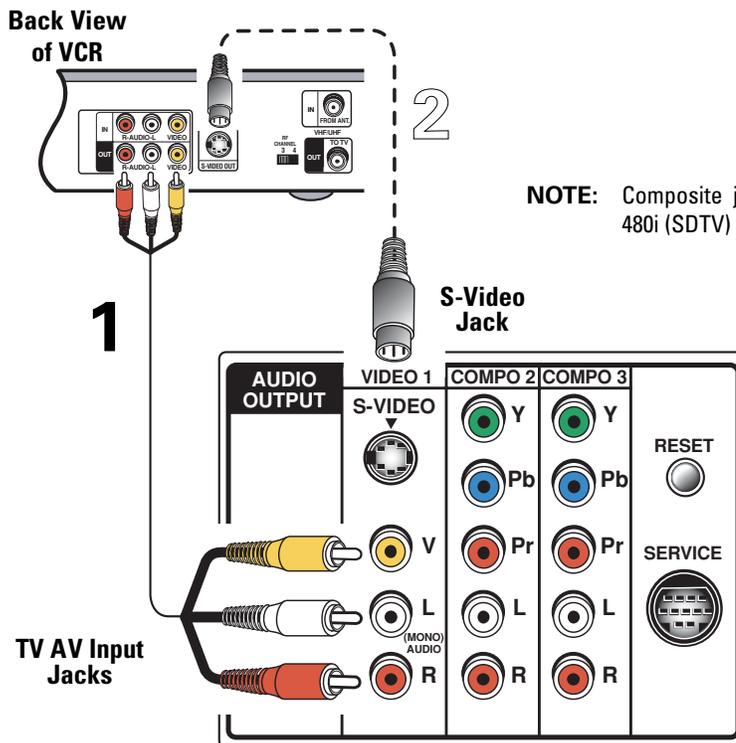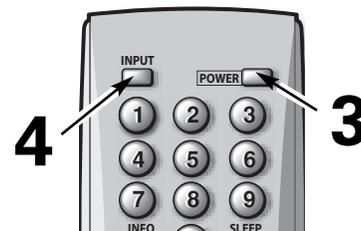
NOTE: Composite jacks offer only analog 480i (SDTV) resolution.

S-Video Jack

1

TV AV Input Jacks

What you will need for connections:
Audio / Video Cable – 1
S-Video Cable – 1

12

ANALOG AUDIO OUTPUT CONNECTIONS

Connecting Audio Out Jacks to a Stereo Amplifier

Switch off TV and external equipment before connecting cables. *(Cables are not supplied.)*

1 Connect the TV Audio Out (R/L) to a Stereo Amplifier In (R/L).

2 Press the **POWER** key to turn on the TV, then turn on your external equipment.

NOTES: Do not connect external speakers directly to the TV.

When *TV Speaker* is in the ON mode, sound will be reproduced through your TV and the stereo amplifier.

When *TV Speaker* is in the OFF mode, sound will be reproduced only through the stereo amplifier. (See page 25 to set *TV Speaker*.)

What you will need for connections:

Audio Cable – 1

TV Back

Stereo Amplifier
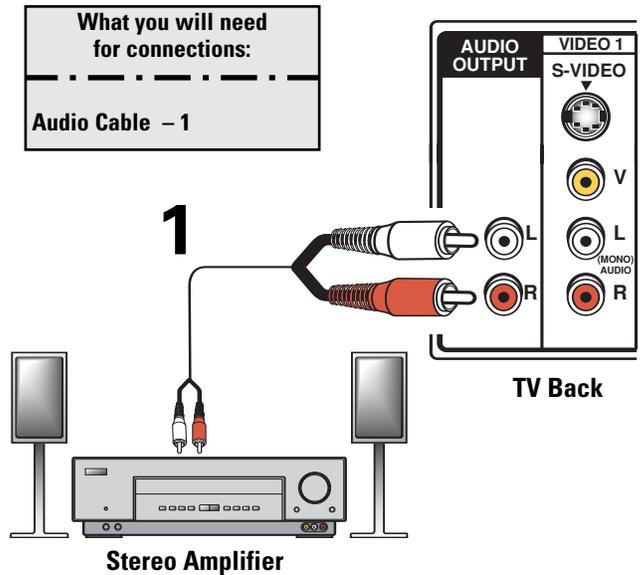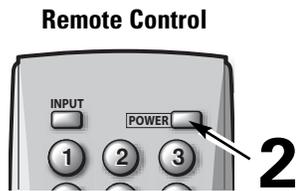
Remote Control

TYPICAL HOME THEATER CONNECTIONS

Surround Sound System

Digital Antenna (Strong Signal Necessary)

Splitter

Analog Cable or VHF/UHF Antenna

Splitter

Analog VCR

Set-Top Box (Can be a Digital Satellite Receiver DVD Player or other Digital Device)

Digital Video Recorder
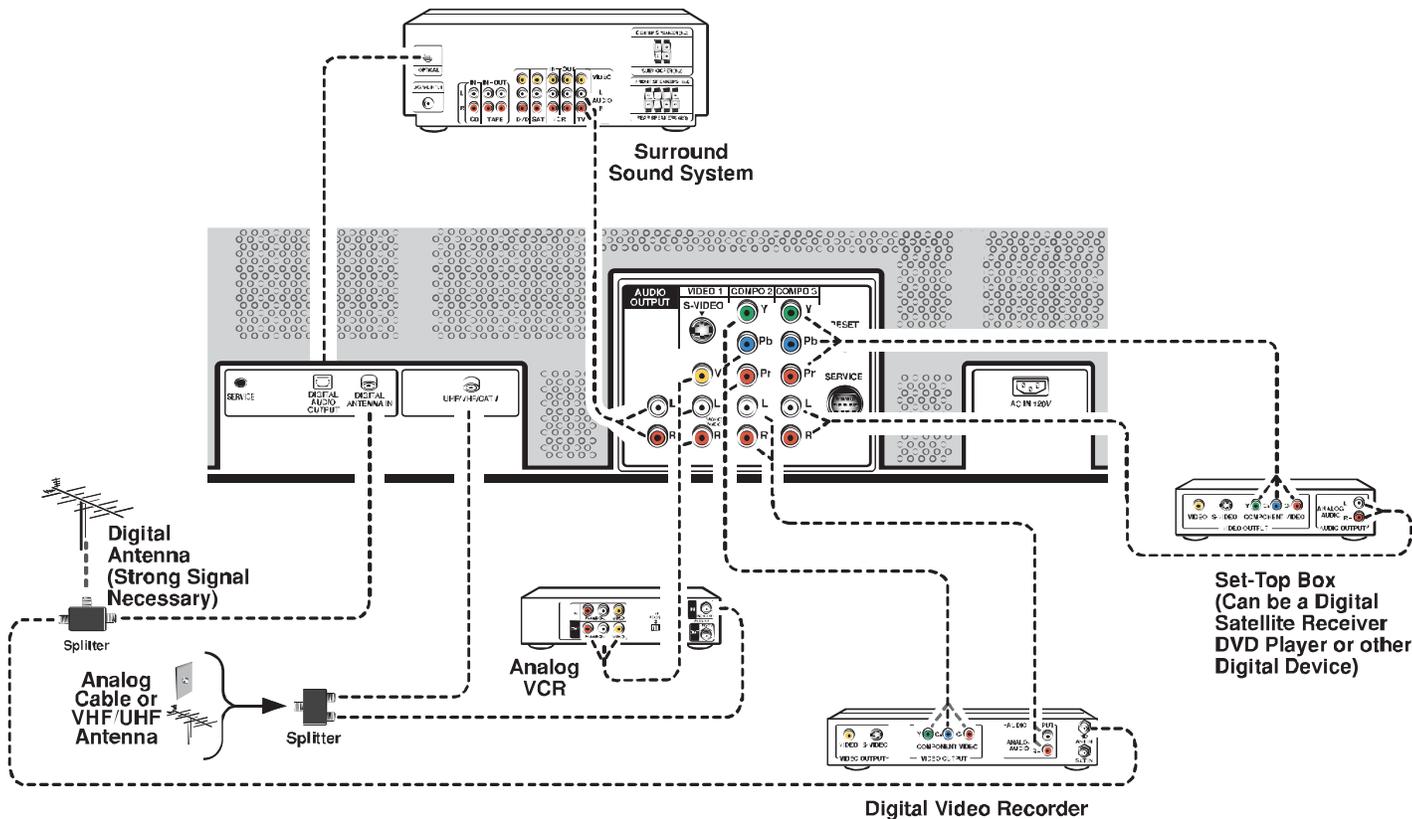
⚠ PRECAUTIONS

To ensure safe operation, please observe the following precautions:

Use (2) AAA alkaline batteries, see page 8.

Replace both batteries at the same time. Do not use a new battery with a used battery.

Risk of explosion, if battery is replaced by an incorrect type.

If batteries have leaked in the Remote Control Unit, carefully wipe the case clean and load new batteries.

Do not expose the Remote Control Unit to moisture, or heat.

REMOTE CONTROL KEYS

①**Input Key**—Press to change the input signal source as follows: Analog RF ➡ Digital RF ➡ Video1 ➡ Component2 ➡ Component3 ➡ Analog RF.

②**Number Keys**—Two keys must be pressed to select a channel. *Example:* Press **0** then **6** to select channel 6. For Analog cable channels above 100, press and hold the **1** key until C1– – appears.

③**Info Key**—Press to display Digital Full Banner or Analog Brief Banner information (press the **INFO** key again to remove the display).

Digital Off-air Channel Full Banner—Contains a two-part Channel Number (Major and Minor). If available, the following is also included—Station ID, Program Title, Date/Time (if set), Signal Strength, Video Resolution, V-Guide Program Rating, and Audio Reception.
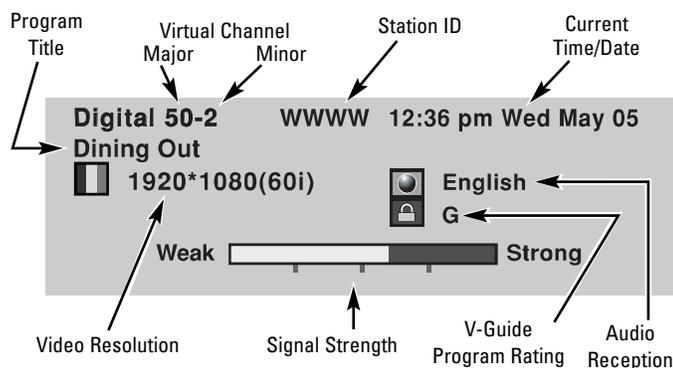
Digital Off-air Channel Full Banner

Digital Cable Channel Full Banner—Contains a two-part Cable Channel Number (Major and Minor). If available the following is also included—Date/Time (if set), Signal Strength, Video Resolution, V-Guide Program Rating, and Audio Reception.
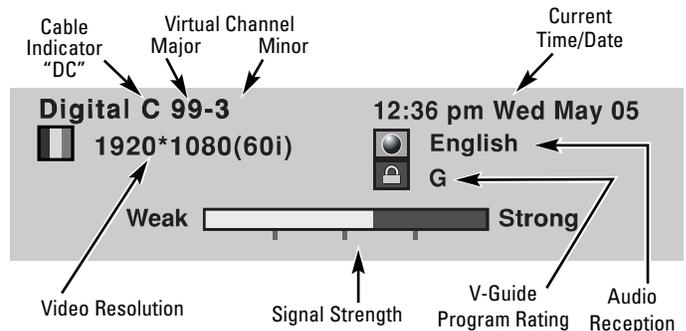
Digital Cable Channel Full Banner
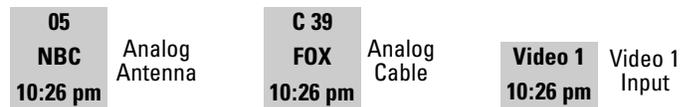
Analog Brief Banners

④**Recall Key**—Select the first channel you want to watch; then select another channel using the **NUMBER** keys. Press **RECALL** to easily switch between the channels.

NOTE: The **RECALL** key can not toggle between a Digital and Analog channel. See **TUNER** key description.

⑤**Menu key**—Press this key to display the on-screen setup menu.

⑥**Tuner Key**—Use this key to toggle from one tuning system to another, digital channels and analog channels.

NOTE: The **TUNER** key is inactive when an external input is selected (Video1, Compo 2, or Compo 3).

⑦ **Caption Key**—Press to select analog or digital caption- ing. The Analog Caption modes are: CC1, CC2, QuikCap and OFF. The Digital Caption modes are: Digital CC1~Digital CC6, QuikCap, and OFF. (See page 21.)

⑧ **Channel Scanning (CH ▲▼)**—Press the **CHANNEL SCAN ▲▼** keys to tune to the next higher or lower channel in the Channel Scan Memory database. The scanning loop includes analog channels, digital chan- nels, and all A/V inputs.

⑨ **Pix Shape Key**—Use this key to change the video display format. Available options depend on the signal received and the broadcast's aspect ratio. Options include: Normal, Full, Zoom1, and Zoom2.
Factory preset modes: Analog antenna signal and all Video inputs—FULL; Digital antenna signal—ZOOM2.

⑩ **Audio Key**—Press to select the desired audio mode, if available: Digital—Main, Sub1, Sub2, or Sub3; Analog—Stereo, Mono, & SAP (antenna signals only).

⑪ **Power key**—Press this key to turn the TV on and off.

⑫ **Sleep Key**—Press this key, then press the "**0**" key to set the Sleep Timer. The sleep timer can be set from 30 minutes up to 3 hours in 30 minutes increments. The Sleep Timer will switch off the TV automatically. *(The Sleep Timer will be cancelled if the TV is turned off or if a power failure occurs.)*

⑬ **Mute Key**—Press once to minimize the volume. Press again to restore. *This key **will not** mute sound from the audio out jacks.*

⑭ **Enter key**—Press this key to select an option from the menu system, when required.

⑮ **Cursor ▲ (Up) ▼ (Down) keys**—Press these keys to move the cursor up and down within the menu.
Cursor ◄ (Left) ► (Right) keys—Press these keys to move the cursor left and right within the menu.

⑯ **Exit key**—Press this key to exit from the menu system.

⑰ **Volume (VOL + –) Keys**—Press the **VOL + –** keys to adjust the volume. The screen displays Green left and right arrows that turn Red and blink as many times as you press the **VOL + –** keys.

⑱ **Reset Key**—Press twice to restore factory settings. The TV will automatically start Channel Search and clear all customized settings.

NOTE: The **RESET** Function includes a channel search. Current Digital and Analog channel databases will be deleted and new ones created by the Channel Search process. To receive Digital Cable channels, see page 17 for Digital Cable Search.

These features will reset to factory defaults.

- Picture/Sound Adjustments: Color, Tint, Contrast, Bright- ness, Sharpness, Color Enhancer, Dynamic AI, Bass, Treble, and Surround Sound
- Channel Memory—Digital and Analog channel data- bases will be replaced
- Initial Channel to OFF
- Analog Audio to Stereo
- Captioning to OFF
- V-Guide to OFF
- TV Speakers to ON
- Digital Audio Output to Dolby® Digital
- Menu Language to English
- Auto Clock (and Sleep Timer if previously set)
- Any Video mode to TV mode

If desired, personal settings can be made again using the menu options. (See page 27.)
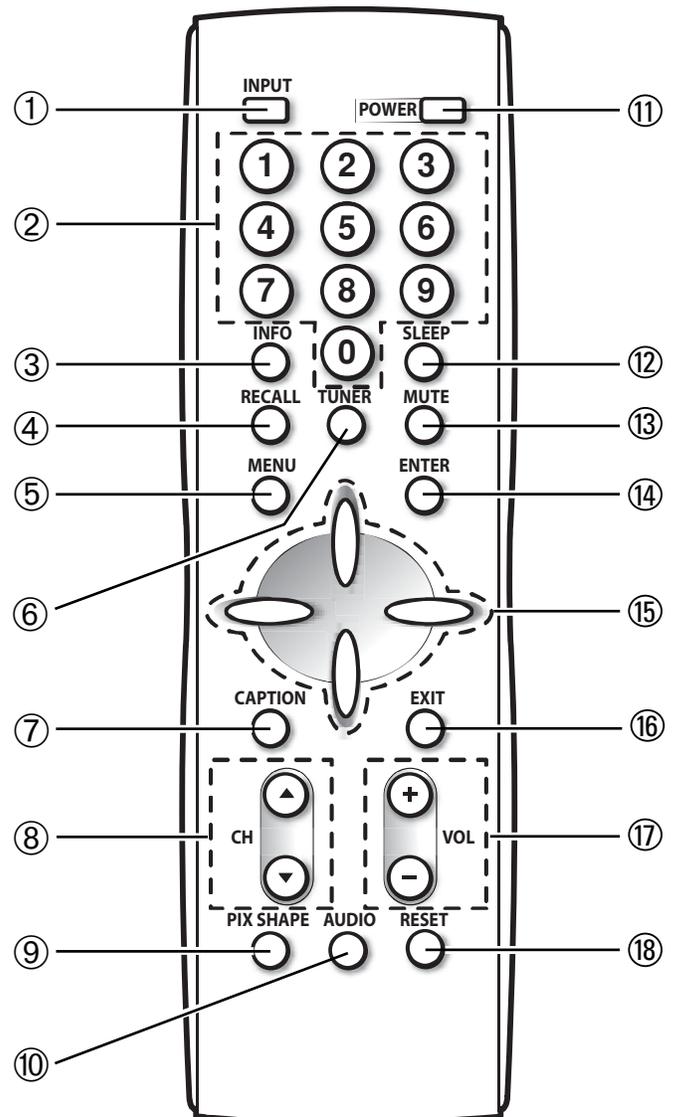
BASIC MENU OPERATION

The on-screen menu system provides the viewer with easy access to adjustments and settings. Just use the **MENU**, **CURSOR**, **ENTER**, and **EXIT** keys on the remote control and follow the on-screen instructions. Generally, you will use the **CURSOR ▲▼** keys to highlight or select a menu item and the **CURSOR ◄►** keys to make an adjustment. The **ENTER** key is used to confirm a setting, when necessary, and to select the next field. After you have completed your adjustments, press the **EXIT** key to return to normal TV viewing.

On-screen menu options will vary depending on the input signal type (Analog or Digital). Most adjustment options are common to both Digital and Analog menus, in those cases the Digital menu will be shown in the adjustments.

REMOTE CONTROL

Menu Navigation Map

SUB MENUS

Main

Channel
- Channel Search
  - No
  - Yes
- Digital Cable Search
  - No
  - Yes
- Digital Add-on Search
  - No
  - Yes
- Channel Scan Memory
  - Add?
  - Delete?

Digital Caption
- Size
- Style
- Color
  - Background
  - Foreground
- Opacity
  - Background
  - Foreground
- Edge Style

V-Guide
- Off
- On

Setup
- Date/Time
  - Auto Clock
  - Manual Setup
- Digital Audio Output
  - Dolby Digital
  - PCM
- TV Speaker
  - On
  - Off
- Menu Language
  - English
  - Español
  - Français

Picture/Sound
- Sports
- Movies
- News
- Manual
  - Picture
  - Sound
    - Bass
    - Treble
  - Surround
  - Color
  - Tint
  - Contrast
  - Brightness
  - Sharpness
- Color Enhancer
  - Normal
  - Cool
  - Warm

MAIN MENU

- Channel
- Digital Caption
- V-Guide
- Setup
- Picture/Sound

⊖ Move   ENTER Select
MENU EXIT Exit

DIGITAL MAIN MENU

MAIN MENU

- Channel
- V-Guide
- Setup
- Picture/Sound

▲▼ : Move   ENTER: Select
MENU: Exit   EXIT: Exit

ANALOG MAIN MENU

IMPORTANT FACTS:

This TV has two distinct menu systems, one for Analog signals and one for Digital signals. Therefore, menu options will vary according to the signal being received (Analog or Digital). The Menu Navigation Map shown here indicates available Digital options. Analog menu options vary slightly. When a specific menu (digital or analog) is required for an adjustment, it is specified in the setup instructions.

*If you press the **MENU** key while tuned to an Analog channel (or signal), the Analog Main menu will appear. If you press the **MENU** key while tuned to a Digital channel (or signal), the Digital Main menu will appear. (Press the **TUNER** key to switch quickly between Digital and Analog channels.)*

Also, some options are not available in combination. Unavailable options will appear "grayed-out" in the menu. For example, after a Digital Cable Search, Digital Add-on Search will be "grayed-out" because that option is not supported for Digital Cable Channels.

The TV will exit the Menu system if 30 seconds elapse between entries.

CHANNEL SETUP OPTIONS

Channel Search

Use Channel Search to replace the existing Digital and Analog Channel Scan databases, such as, if you move to another city.

NOTES: To receive Digital Cable channels, you have to perform a Digital Cable Search.

To add new Digital channels to the existing database, use *Digital Add-on Search*. See page 18.

1 Press the **TUNER** key to select the Digital Tuner.

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR** ▲▼ keys to highlight the *Channel* category. Press **ENTER**.

4 Use the **CURSOR** ▲▼ keys to highlight the *Channel Search* option. Press **ENTER**.

5 Use the **CURSOR** ▼ key to choose Yes. Press **ENTER**.

NOTE: After Channel Search is complete, the TV will tune to the lowest Digital Cable channel (or Digital D03 if no Digital channels are found).


CHANNEL

Channel Search
Digital Cable Search
Digital Add-on Search
Channel Scan Memory

⊕ Move   **ENTER** Select
MENU Exit   **EXIT** Exit

CHANNEL SEARCH

Start Channel Search

No

Yes

⊕ Move   **ENTER** Select
MENU Back   **EXIT** Exit
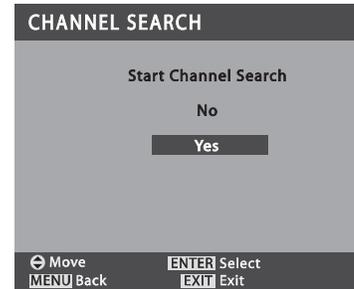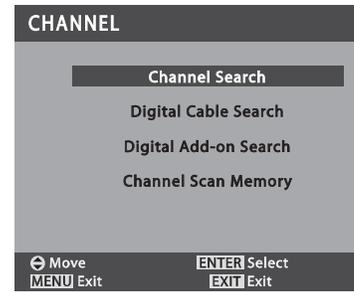
Digital Cable Search
(Optional)

This Plasma TV can receive unscrambled (ClearQAM) Digital Cable Channels, when available. However, not all cable companies provide ClearQAM digital channels.

Searching for Digital Cable Channels will take about 10 minutes, please be patient.

Channel numbers will appear under the progress bar only when a channel is found.

IMPORTANT FACT: This TV maintains only one database of digital channels. Therefore, when you search for ClearQAM digital cable channels, the database of digital antenna channels will be deleted. You will only be able to receive those ClearQAM channels your cable company provides.

Cable companies rearrange virtual channels as programming changes, which may cause the program you are watching to move to another channel. This message will appear on the screen briefly to notify you of a change. You will have to relocate the program you were watching by scanning through the channels.

Program change from cable company
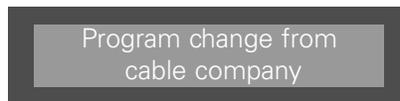
To restore the digital antenna channel database, reconnect the antenna and use the menu system to perform a normal Channel Search.

1 Connect a Digital Cable signal directly to the TV's Digital Antenna In terminal.

Digital Cable Signal

DIGITAL AUDIO OUTPUT   DIGITAL ANTENNA IN   UHF
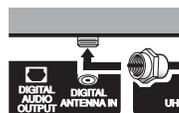
2 Press the **TUNER** key to select the Digital Tuner.

3 Press the **MENU** key to display the Main menu.

4 Use the **CURSOR** ▲▼ keys to highlight the *Channel* category. Press **ENTER**.

5 Use the **CURSOR** ▲▼ keys to highlight the *Digital Cable Search* option. Press **ENTER**.

6 Use the **CURSOR** ▼ key to choose Yes. Press **ENTER**.

CHANNEL

Channel Search
Digital Cable Search
Digital Add-on Search
Channel Scan Memory

⊕ Move   **ENTER** Select
MENU Back   **EXIT** Exit

DITIGTAL CABLE SEARCH

Start Digital Cable Search

No

Yes

⊕ Move   **ENTER** Select
MENU Back   **EXIT** Exit
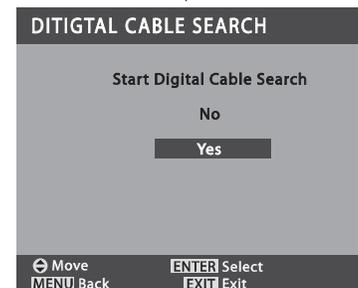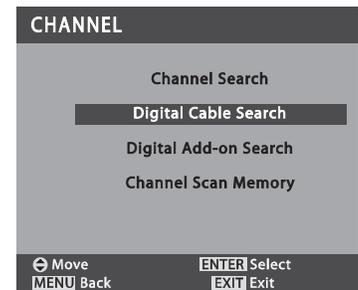
⌖ CHANNEL SETUP OPTIONS (CONTINUED)

Digital Add-on Search

Use this feature to add new channels to the Digital Antenna Channel database. Also, use this feature to add channels when broadcast towers are in opposite directions from your location.

NOTE: Go to www.antennaweb.org and type in your zip code to obtain specific tower vector information.

Channel numbers will appear under the progress bar only when a channel is found.

1 Press the **TUNER** key to select the Digital Tuner.

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR ▲▼** keys to highlight the *Channel* category. Press **ENTER**.

4 Use the **CURSOR ▲▼** keys to highlight the *Digital Add-on Search* option. Press **ENTER**.

5 Use the **CURSOR ▼** key to choose Yes. Press **ENTER**.

NOTE: Turn your Antenna and repeat these steps for each direction in which there are transmitting towers.

MAIN MENU

⌖	**Channel**
DTV CC	Digital Caption
⏻▦	V-Guide
⚙	Setup
🖼♫♪	Picture/Sound

⊖ Move   ENTER Select   MENU EXIT Exit

CHANNEL

Channel Search
Digital Cable Search
Digital Add-on Search
Channel Scan Memory

⊖ Move   ENTER Select
MENU Back   EXIT Exit

DIGITAL ADD-ON SEARCH

Start Digital Add-on Search

No

Yes

⊖ Move   ENTER Select
MENU Back   EXIT Exit
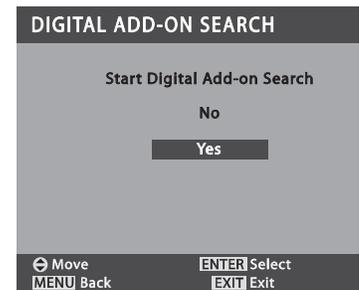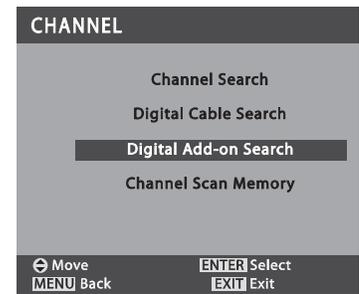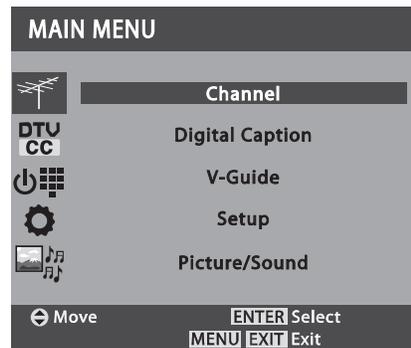
Antenna Selection (Analog)

Use this feature to switch between Analog Off-air channels and Analog Cable channels.

NOTE: To ensure that all available channels are included in the channel scanning loop, you should perform a Channel Search after switching between Off-air and Cable channels.

1 Press the **TUNER** key to select the Analog tuner.
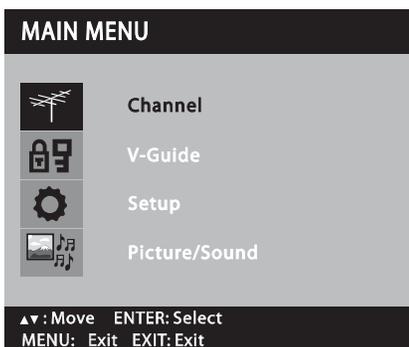
MAIN MENU

⌖	Channel
🔒	V-Guide
⚙	Setup
🖼♫♪	Picture/Sound

▲▼ : Move   ENTER: Select
MENU: Exit   EXIT: Exit

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR ▲▼** keys to highlight the *Channel* category. Press **ENTER**.

4 Use the **CURSOR ▲▼** keys to highlight the *Antenna Selection* option. Press **ENTER**.

5 Use the **CURSOR ▲▼** keys to choose CABLE or VHF / UHF.

6 Press the **EXIT** key to return to normal TV viewing.

CHANNEL

Channel Search
Antenna Selection
Channel Scan Memory
Initial Channel

▲▼ : Move   ENTER: Select
MENU: Back   EXIT: Exit

ANTENNA SELECTION

Select analog antenna system

Cable

VHF/UHF

▲▼ : Move
MENU: Back   EXIT: Exit
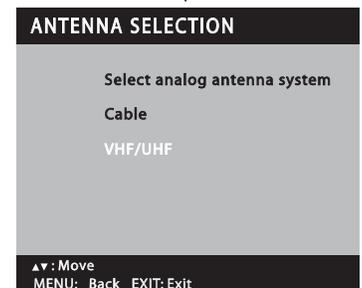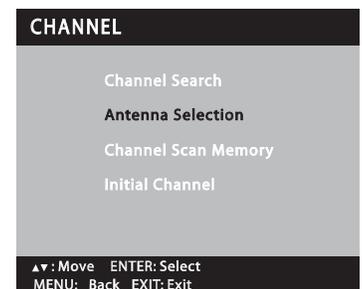
Digital Channel Scan Memory

Digital Channel Scan Memory is a database of active channels that you scan through using the **CHANNEL SCAN ▲▼** keys. This list can be customized by deleting and/or adding digital channels.

1 Press the **TUNER** key to select the Digital tuner.

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR ▲▼** keys to highlight the *Channel* category. Press **ENTER**.

CHANNEL

Channel Search

Digital Cable Search

Digital Add-on Search

Channel Scan Memory

⊖ Move   ENTER Select
MENU Back   EXIT Exit

4 Use the **CURSOR ▲▼** keys to highlight the *Channel Scan Memory* option. Press **ENTER**.

"Add?" will appear below the channel number if the selected channel is not in the database. "Delete?" will appear below the channel number if the selected channel is already in the database.

5 Use the **CHANNEL ▲▼** keys or numerical keys to select desired channel.

CHANNEL SCAN MEMORY

Digital Antenna 35-1

Delete?

0-9 ⊖ TUNER Ch

Digital Antenna 24-1

Added

Digital Antenna 24-1

Delete?

6 Press the **ENTER** key to delete or add the channel.

7 When you have finished adding and/or deleting channels, press the **EXIT** key to return to normal TV viewing.

Quick Tips

- When a digital channel is deleted, all of that channel's sub-channels are deleted as well.
- Only previously deleted digital channels can be added back to the database.
- If one digital sub-channel is added back to the database all of that channel's sub-channels will be added back.
- If the last remaining digital channel is deleted the entire previous Digital Channel Scan Memory database will be restored automatically.

Analog Channel Scan Memory

Analog Channel Scan Memory is a database of active channels that you scan through using the **CHANNEL SCAN ▲▼** keys. This list can be customized by deleting and/or adding digital channels.

**1** Press the **TUNER** key to select the Analog tuner.

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR ▲▼** keys to highlight the *Channel* category. Press **ENTER**.

4 Use the **CURSOR ▲▼** keys to highlight the *Channel Scan Memory* option. Press **ENTER**.

"Add?" will appear below the channel number if the selected channel is not in the database. *"Delete?"* will appear below the channel number if the selected channel is already in the database.

5 Use the **CHANNEL ▲▼** keys or numerical keys to select desired channel.

6 Press the **ENTER** key to delete or add the channel.

7 When you have finished adding and/or deleting channels, press the **EXIT** key to return to normal TV viewing.

CHANNEL

    Channel Search
    Antenna Selection
    Channel Scan Memory
    Initial Channel

▲▼ : Move   ENTER: Select
MENU: Exit   EXIT: Exit

CHANNEL SCAN MEMORY

Analog Antenna 34

Delete?

▲▼ , 0-9: Channel E
MENU: Back EXIT:

Analog Antenna 34

Added

Analog Antenna 34

Delete?

Quick Tips

■ If the last remaining analog channel is deleted (cable channel or off-air channel) ALL analog channels (cable or off-air) will be restored automatically, regardless of the previous Analog Channel Scan Memory database.

Initial Channel (Analog Only)

This television can be programmed to tune to your favorite analog channel each time it is powered on.

1 Press the **TUNER** key to select the Analog tuner.

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR ▲▼** keys to highlight the *Channel* category. Press **ENTER**.

4 Use the **CURSOR ▲▼** keys to highlight the *Initial Channel* option. Press **ENTER**.

5 Use the **CURSOR ▼** key to select On. Press **ENTER**.

6 Use the **CHANNEL ▲▼** keys or numerical keys to select the desired analog channel.

7 Press the **ENTER** key to set the initial channel. Press the **EXIT** key to return to normal TV viewing.

CHANNEL

    Channel Search
    Antenna Selection
    Channel Scan Memory
    Initial Channel

▲▼ : Move   ENTER: Select
MENU: Back   EXIT: Exit
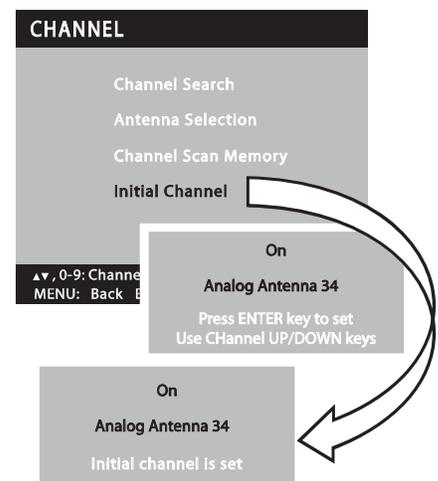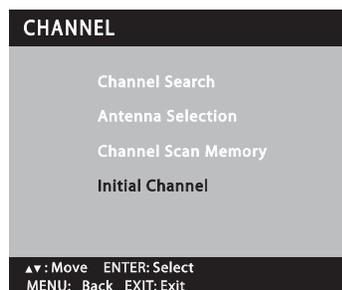
NOTE: If the TV is powered Off while any video mode is selected, that video mode will be tuned when the TV is powered On again (Video 1, Component 2, or Component 3).

CHANNEL

    Channel Search
    Antenna Selection
    Channel Scan Memory
    Initial Channel

▲▼ , 0-9: Channel
MENU: Back E

On

Analog Antenna 34

Press ENTER key to set
Use CHannel UP/DOWN keys

On

Analog Antenna 34

Initial channel is set

DTV CC CLOSED-CAPTIONING

Closed-Captioning is hidden textual information transmitted along with the picture and sound. Turning Captioning ON causes the TV to open these captions and superimpose them on the screen.

Because different types of closed-captions can be transmitted with the picture and sound, separate captioning modes are provided. The captioning modes recognized by this model are: Analog EIA-608B and Digital EIA-708B. Local broadcasters decide which caption signals to transmit.

Changing the Look of Digital Captions

The *Size*, *Style*, *Color*, *Opacity*, and *Edge Style* of Digital captions can be changed.

NOTES: If Opacity is set to Transparent, captions may be difficult to see.

Some screens include a Sample text box display to instantly view your selection.

Only true EIA 708B Digital Closed-Captions are affected by all these settings.

Analog captions generally will not respond to these adjustments, however, upconverted analog captions may respond to some options.

1 Press the **TUNER** key to select the Digital Tuner. (Note: Digital Font options are available only from the Digital Main menu.)

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR ▲▼** keys to highlight the *Digital Caption* category. Press **ENTER**.

**4** Use the **CURSOR ▲▼** keys to highlight an option. Press **ENTER**.

5 Some choices have *Background* and *Foreground* options. Choose *Background* or *Foreground* and press **ENTER** when necessary, then use the **CURSOR ▲▼** or **◄ ►** keys to select the desired effect.

Otherwise, simply use the **CURSOR ▲▼** or **◄ ►** keys to select the desired effect.

6 Press the **MENU** key to move back to the Digital Caption menu, then repeat Steps **4** and **5** for each option you want to change.

7 When you have finished making adjustments, press the **EXIT** key to return to normal TV viewing.

DIGITAL CAPTION

Size
Style
Color
Opacity
Edge Style

⊖ Move   ENTER Select
MENU Back   EXIT Exit

Main Menu—Digital Font

SIZE

Default   Sample
Small
Standard
Large
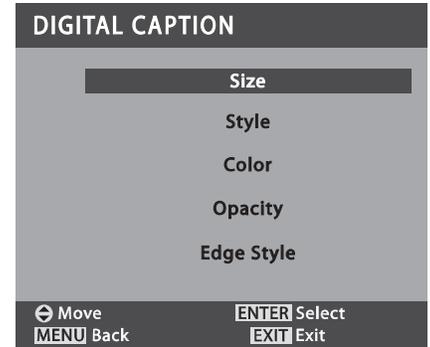
⊖ Move   ENTER Select
MENU Back   EXIT Exit
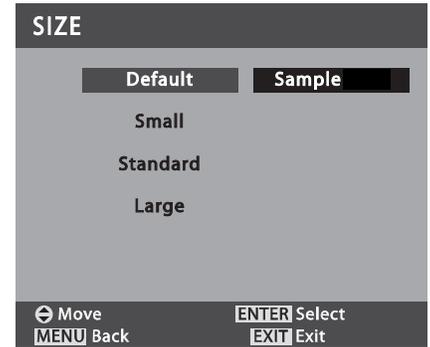
Sub Menu—Digital Font Size

To View Captions

1 Press the **CAPTION** key to select caption modes.

Digital modes are: Digital CC1 through Digital CC6, QuikCap, and Off.

Analog modes are: CC1, CC2, QuikCap and Off.

Digital CC1 — Digital Caption

CC1 — Analog Caption
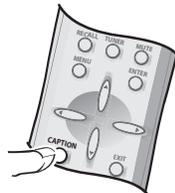
QuikCap Operation

QuikCap turns captioning on and off with the *Mute* function. Press the **MUTE** key on the remote control to block the TV sound; the captions display automatically. Press the **MUTE** key again to restore the sound. Captions will disappear.
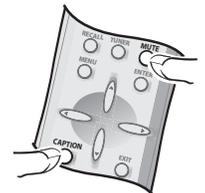
1 Press the **CAPTION** key to select QuikCap.

QuikCap

21

⏻⊞ V-GUIDE (PARENTAL CONTROL) OPERATION

NOTE: This feature is designed to comply with the United States of America's FCC V-Chip regulations. Therefore it may not function with broadcasts that originate in other countries.

This Sanyo Plasma television is equipped with an electronic V-Chip to interpret MPAA and TV Parental Guidelines rating codes. When these codes are detected, the TV will automatically display or block the program, depending upon choices you make when setting up the V-Guide system.

Block or Unblock Movie or TV Program

The TV will automatically block ratings above or unblock ratings below a selection. For example, if you block TV rating TV-PG, ratings TV-14 and TV-MA will be blocked automatically; or if you block Movie rating PG-13, ratings R, NC17, and X will be blocked automatically.

Blocking TVY7 does not block higher ratings.

Content ratings are represented by the initials: FV (fantasy violence), D (suggestive dialog), L (adult language), S (sexual situations), and V (violence).

1 Press the **MENU** key to display the Main menu.

2 Use the **CURSOR ▲▼** keys to highlight the *V-Guide* category. Press **ENTER**.

3 Use the **CURSOR ▲▼** keys to select On (or OFF to deactivate V-Guide). Press **ENTER**.

4 Use the **CURSOR ▼** key to highlight *Adjust*. Press **ENTER**.

5 Use the **CURSOR ▲▼** and **◀ ▶** keys to select Movie or TV ratings. Press **ENTER** to Block or Unblock selected rating.

A lock symbol 🔒 will appear beside a rating when it is blocked.

6 When you have finished making adjustments, press the **EXIT** key to return to normal TV viewing.

MOVIE RATINGS   TV RATINGS

RATING

Allow All   Block All

Movie		TV	FV	D	L	S	V
G		TV-Y					
PG		TV-Y7	▪	▪			
PG13		TV-G					
R	🔒	TV-PG	▪		▪	▪	▪
NC17	🔒	TV-14	▪		🔒	🔒	▪
X	🔒	TV-MA	▪		▪	▪	▪

⊖⏺ Move   **ENTER** Select
MENU Back   **EXIT** Exit
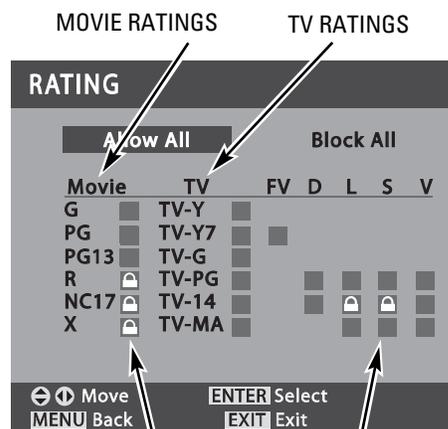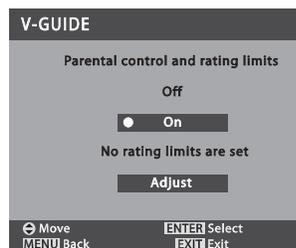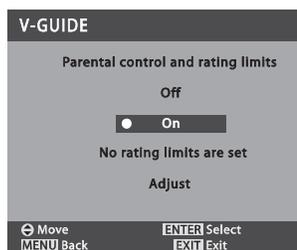
LOCKED SYMBOL   RATED GUIDELINES (Gray Boxes)

V-GUIDE

Parental control and rating limits

Off

⬤ On

No rating limits are set

Adjust

⊖ Move   **ENTER** Select
MENU Back   **EXIT** Exit

➡

V-GUIDE

Parental control and rating limits

Off

⬤ On

No rating limits are set

Adjust

⊖ Move   **ENTER** Select
MENU Back   **EXIT** Exit

➡

𝒬uick Tips

- You can block portions of a TV rating by choosing one or more of the Content ratings (D, L, S, & V). By blocking just the L & S content ratings of TV-14, for example, TV-14 rated programs with a D and/or V content rating could still be viewed.

- V-Guide limits on programming received via the Analog antenna input, Digital antenna input, Video 1 input, and any 480i signals received through the Component jacks can be controlled by this TV.

- V-Guide limits on digital programming received through the Component jacks are controlled by the external device connected to those jacks (such as a DVD Player or Digital Satellite Receiver). Refer to your external device's owner's manual for instructions on setting V-Guide limits.

- Networks and local stations may or may not include the content portion of the TV Parental Guidelines.

- The TV will automatically block ratings above or unblock ratings below a selection. For example, if you block TV rating TV-PG, ratings TV-14 and TV-MA will be blocked automatically; or if you block Movie rating PG-13, ratings R, NC17, and X will be blocked automatically. Blocking TVY7 does not block higher ratings.

Temporarily Unblock a Movie or TV Program

1 Press the **INFO** key, then within three (3) seconds press the **ENTER** key.

This temporarily turns the V-Guide OFF.

The V-Guide will remain in the OFF mode until the TV power is switched OFF. When the TV is switched back ON, the V-Guide will be ON.

The V-Guide can be reset to ON by using the menu system and selecting On in Step 3 under, "*Block or Unblock Movie or TV Program*" above.

INFO key

ENTER key
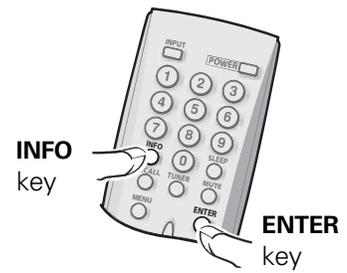
TV Ratings (Age/Content-Based)

TV Y **ALL CHILDREN—**Program is designed to be appropriate for children ages 2-6.

TV Y7 FV **DIRECTED TO OLDER CHILDREN—**Program is designed for children 7 and above. material may include mild fantasy violence (FV) or comedic violence.

TV G **GENERAL AUDIENCE—**Program suitable for all ages. Contain little or no violence, no strong language or sexual dialogue or situations.

TV PG **PARENTAL GUIDANCE SUGGESTED—**Program contains material that may be unsuitable for younger children. Material contains one or more for the following: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV 14 **PARENTS STRONGLY CAUTIONED—**Some material is unsuitable for children under 14 years of age. Parents are strongly urged to use cautions against letting children that 14 watch unattended. Material contains intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

TV MA **MATURE AUDIENCE ONLY—**Program is designed to be viewed by adults and therefore may be unsuitable for children under 17 years of age.

MPAA Movie Ratings (Age-Based)

G **GENERAL AUDIENCES—**All ages admitted.

PG **PARENTAL GUIDANCE SUGGESTED—**Some material may not be suitable for children.

PG-13 **PARENTAL GUIDANCE CAUTIONED—**Some material may be inappropriate for children under 13.

R **RESTRICTED—**Under 17 requires accompanying parent or adult guardian

NC17 **NO ONE 17 AND UNDER ADMITTED**

NOTE: Movies with ratings of *MPAA N/A* or *MPAA Not Rated* and TV Programs with a rating of *None* will not be blocked even if Block All is selected in the menu.

When codes are being transmitted and received, and V-Guide is set to ON, the V-Chip blocks programming according to the settings you choose.

⚙ SETUP MENU OPTIONS

Setting the Date and Time

Auto Date and Time Setting

1 Press the **MENU** key to display the Main menu.

2 Use the **CURSOR** ▲▼ keys to highlight the *Setup* category. Press **ENTER**.

3 Use the **CURSOR** ▲▼ keys to highlight the *Date/Time* option. Press **ENTER**.

4 Use the **CURSOR** ▲▼ keys to select *Auto Clock*. Press **ENTER**.

The TV will begin searching for an analog PBS channel transmitting date and time data. If these data are found, they will be used to set the Date and Time automatically. If no date and time data are found, the Manual setup screen will be displayed. When the process is completed (or cancelled), the last analog channel will be tuned.

NOTE: If the Date and Time are set automatically, the Date and Time will be updated each time that PBS station is tuned.

Manual Date and Time Setting

4 Use the **CURSOR** ▲▼ keys to select *Manual Setup*. Press **ENTER**.

5 Use the **CURSOR** ▲▼ keys to select the *Hour*. Press the **ENTER** key (or Cursor ◄ ► keys) to step to the next field. Continue until all fields are populated.

NOTE: The TV will ignore all entries if the **MENU** or **EXIT** key is pressed before all fields are populated.

6 When you have entered data in all of the fields, press the **EXIT** key to return to normal TV viewing.

SETUP

Date/Time

Digital Audio Output

TV Speaker

Menu Language

⊖ Move   ENTER Select
MENU Back   EXIT Exit

MANUAL SETUP

Hour	Minute	AM/PM
– –	– –	– –
Month	Day	Year
– – –	– –	– – – –

⊖ Adjust   ENTER Select
MENU Back   EXIT Exit

MANUAL SETUP

Hour	Minute	AM/PM
10	30	PM
Month	Day	Year
Mar.	03	2005

⊖ Adjust   ENTER Select
MENU Back   EXIT Exit
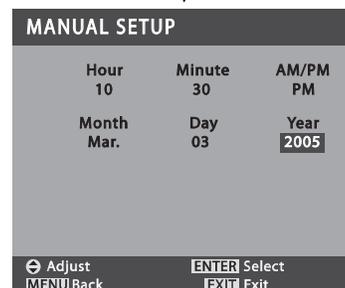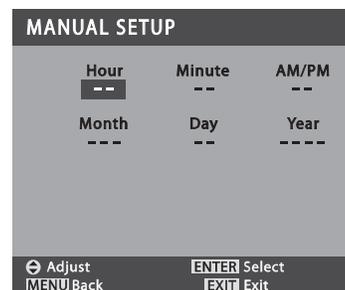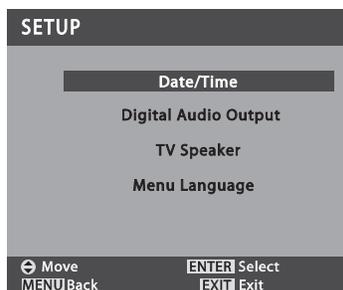
Quick Tips

■ If a power failure occurs after the Date/Time has been set using the Auto Clock method, the Auto Clock setting screen will appear when the TV is powered on.

Digital Audio Output

Use this feature to choose the format of the audio output signal: Dolby Digital or PCM.

1 Press the **TUNER** key to select the Digital Tuner.

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR** ▲▼ keys to highlight the *Setup* category. Press **ENTER**.

4 Use the **CURSOR** ▲▼ keys to highlight the *Digital Audio* option. Press **ENTER**.

5 Use the **CURSOR** ▲▼ keys to select *Dolby Digital* or *PCM.*

6 Press the **EXIT** key to return to normal TV viewing.

NOTE: The Digital Audio Output option is available only when you are watching a Digital channel received via the Digital Antenna Input. If you are watching a signal from any other source (Analog tuner or A/V inputs), the Digital Audio output option will be "grayed-out" (unavailable).

```
SETUP

         Date/Time
         Digital Audio Output
         TV Speaker
         Menu Language


 ⊖ Move              ENTER Select
 MENU Back           EXIT Exit
```

```
DIGITAL AUDIO OUTPUT

            Dolby Digital
            PCM




 ⊖ Move              ENTER Select
 MENU Back           EXIT Exit
```
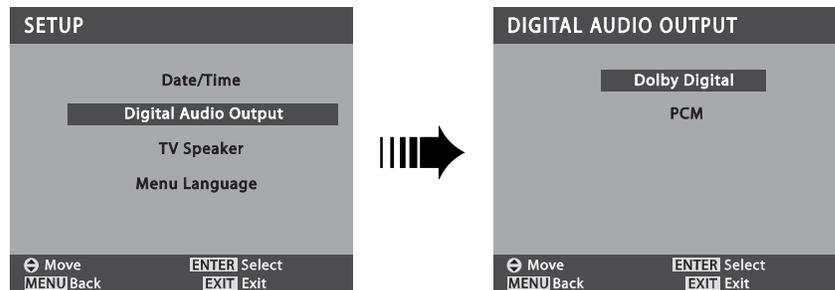
TV Speaker

NOTE: Sound will not be reproduced through your television speakers when the OFF mode is selected.

1 Press the **MENU** key to display the Main menu.

2 Use the **CURSOR** ▲▼ keys to highlight the *Setup* category. Press **ENTER**.

3 Use the **CURSOR** ▲▼ keys to highlight the *TV Speaker* option. Press **ENTER**.

4 Use the **CURSOR** ▲▼ keys to select On or Off.

5 Press the **EXIT** key to return to normal TV viewing.

```
SETUP

         Date/Time
         Digital Audio Output
         TV Speaker
         Menu Language

 ⊖ Move              ENTER Select
 MENU Back           EXIT Exit
```

```
TV SPEAKER

            On
            Off




 ⊖ Move              ENTER Select
 MENU Back           EXIT Exit
```
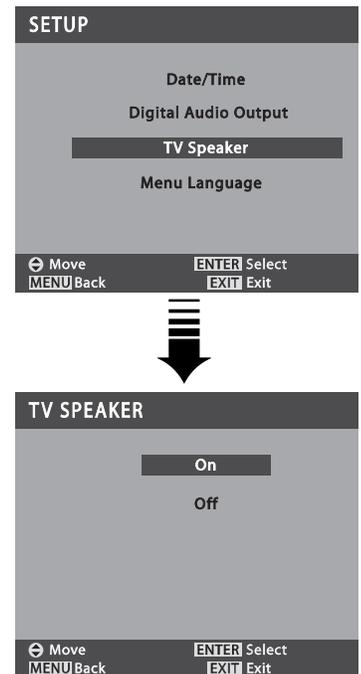
Setup Menu continued on next page.

⚙ SETUP MENU OPTIONS (CONTINUED)

Screen Saver

Displaying a still picture for a long time may cause an "afterimage" or "ghost" on the screen. To neutralize this situation, a Picture Rotation function is provided.

⚠ **Use this feature to protect the Plasma screen from "afterimage."**

If an afterimage occurs, use the *White Pattern* feature immediately to repair the panel. The more severe the afterimage, the longer the curing process may take. It may be impossible to repair all cases of afterimage burn.

The sooner you remove a still picture and activate White Pattern, the more likely it is that the panel can be repaired.

**NOTE:** Afterimage (or image burn) is not covered under warranty.

1 Press the **TUNER** key to select the Analog Tuner. (**NOTE**: The Screen Saver setting is available only from the Analog Main menu. However, it functions in all modes.)

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR** ▲▼ keys to highlight the *Setup* category. Press **ENTER**.

Picture Rotation Setup (saver)

4 Use the **CURSOR** ▲▼ keys to highlight the *Screen Saver* option. Press **ENTER**.

5 Use the **CURSOR** ▲▼ keys to highlight *Picture Rotation*. Press **ENTER**.

6 Use the **CURSOR** ◄ ► keys to select On, then use the ▲▼ keys to highlight *Cycle Time*. Then use the ◄ ► keys to set a cycle time of 15 Minutes, 30 Minutes, or 60 Minutes.

**7** Press the **EXIT** key to return to normal TV viewing.

SETUP

Date/Time
TV Speaker
Screen Saver
Menu Language

▲▼ : Move   ENTER: Select
MENU: Back   EXIT: Exit

SCREEN SAVER

Picture Rotation

White Pattern

▲▼ : Move   ENTER: Select
MENU: Back   EXIT: Exit

PICTURE ROTATION

Picture Rotation On

Cycle Time   30 Min

▲▼ : Move   ENTER: Select
MENU: Back   EXIT: Exit

White Pattern Setup (panel repair)

4 Use the **CURSOR** ▲▼ keys to highlight the *Screen Saver* option. Press **ENTER**.

5 Use the **CURSOR** ▲▼ keys to highlight *White Pattern*. Press **ENTER**.

6 Use the ▲▼ keys to highlight *Display Time*. Then use the ◄ ► keys to set a display time of 10 Minutes, 30 Minutes, or 60 Minutes, depending on the severity of the afterimage.

7 Use the ▲▼ keys to highlight *White Pattern*. Then use the **CURSOR** ◄ ► keys to select On.

NOTE: Pressing any key except **VOLUME** ▲▼ and **AUDIO** will cancel the curing process and return the TV to normal viewing.

SCREEN SAVER

Picture Rotation

White Pattern

▲▼ : Move   ENTER: Select
MENU: Back   EXIT: Exit

WHITE PATTERN

White Pattern   On

Display Time 30 Min

▲▼ : Move   ENTER: Select
MENU: Back   EXIT: Exit
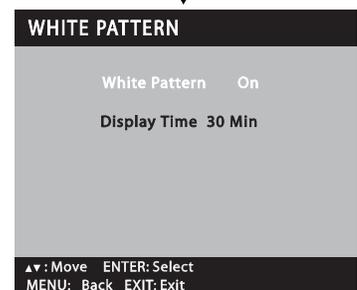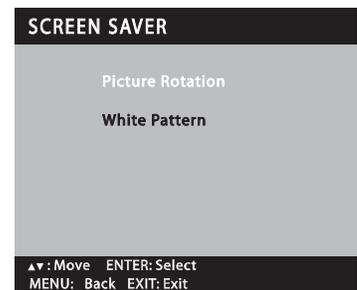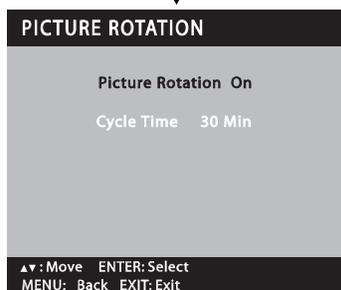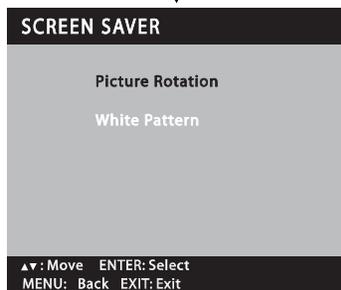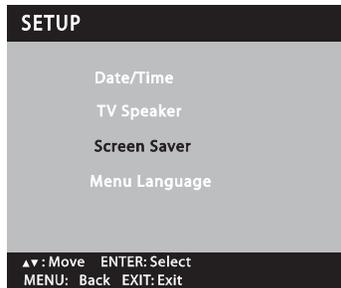
Menu Language

1 Press the **MENU** key to display the Main menu.

2 Use the **CURSOR** ▲▼ keys to highlight the *Setup* category. Press **ENTER**.

3 Use the **CURSOR** ▲▼ keys to highlight the *Menu Language* option. Press **ENTER**.

4 Use the **CURSOR** ▲▼ keys to select *English*, *Español*, or *Français*.

5 Press the **EXIT** key to return to normal TV viewing.

SETUP
Date/Time
Digital Audio Output
TV Speaker
Menu Language
⊖ Move   ENTER Select
MENU Back   EXIT Exit

MENU LANGUAGE
English
Español
Français
⊖ Move   ENTER Select
MENU Back   EXIT Exit
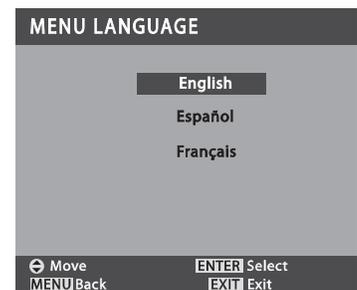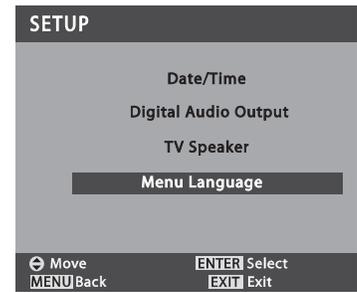
# PICTURE/SOUND ADJUSTMENT OPTIONS

Preset Picture and Sound Options

Select *Sports*, *Movie*, or *News* to match the program you are watching. The TV will adjust the picture and sound accordingly.

A yellow bullet will display beside the selected option.

1 Press the **MENU** key to display the Main menu.

2 Use the **CURSOR** ▲▼ keys to highlight the *Picture/Sound* category. Press **ENTER**.

3 Use the **CURSOR** ▲▼ keys to choose either *Movie, Sports,* or *News*.

4 Press the **EXIT** key to return to normal TV viewing.

MAIN MENU
Channel
Digital Caption
V-Guide
Setup
Picture/Sound
⊖ Move   ENTER Select
MENU EXIT Exit

PICTURE/SOUND
Sports
● **Movie**
News
Manual
Color Enhancer
⊖ Move   ENTER Select
MENU Back   EXIT Exit
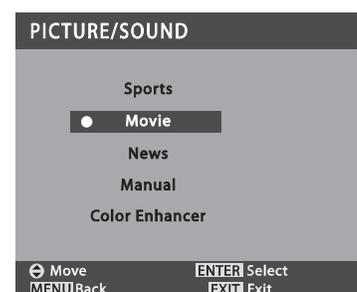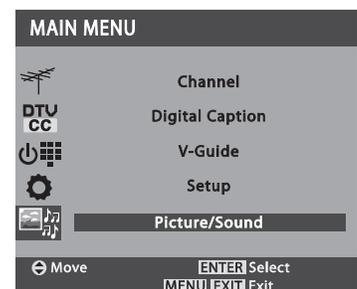
Picture/Sound Menu continued on next page.

🖼️🎵 PICTURE/SOUND ADJUSTMENT OPTIONS (CONTINUED)

Manual Picture and Sound Adjustments

The available manual options are:

Picture: Choose this option to adjust the Color, Tint, Contrast, Brightness, and Sharpness.

*Sound*: Choose this option to adjust the Bass and Treble.

Surround: Choose either On or Off.

NOTE: Surround sound is not available on Digital channels.

1 Press the **MENU** key to display the Main menu.

2 Use the **CURSOR** ▲▼ keys to highlight the *Picture/Sound* category. Press **ENTER**.

3 Use the **CURSOR** ▲▼ keys to highlight the *Manual* option. Press **ENTER**.

4 Use the **CURSOR** ▲▼ keys to select *Picture*, *Sound*, or *Surround*. Press **ENTER**.

5 Use the **CURSOR** ▲▼ keys to select the option you want to adjust.

6 Then use the **CURSOR** ◄ ► keys to make an adjustment (or to set On/Off).

7 Press the **MENU** key to move back to the Picture/Sound menu, if necessary.

8 Repeat Steps 4 through 7 as necessary.

When you have finished making adjustments, press the **EXIT** key to return to normal TV viewing.
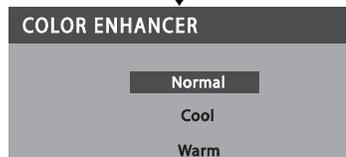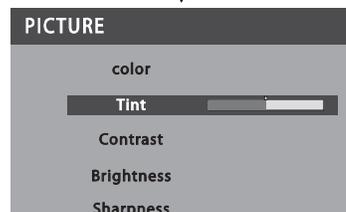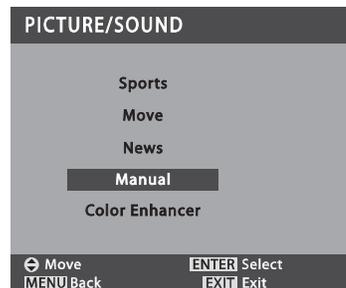
Color Enhancer

Selecting *Warm* will deepen the picture red tints and *Cool* will highlight the picture blue tints.

1 Press the **MENU** key to display the Main menu.

2 Use the **CURSOR** ▲▼ keys to highlight the *Picture/Sound* category. Press **ENTER**.

3 Use the **CURSOR** ▲▼ keys to highlight the *Color Enhancer* option. Press **ENTER**.

4 Use the **CURSOR** ▲▼ keys to choose *Normal*, *Warm,* or *Cool*.

**5** Press the **EXIT** key to return to normal TV viewing.

Dynamic AI

This feature performs real-time correction of white and dark color gradations, to reduce flat black areas of dark scenes. It also automatically corrects low-contrast images, increasing definition for a much more dynamic picture quality.

1 Press the **TUNER** key to select the Analog Tuner.

2 Press the **MENU** key to display the Main menu.

3 Use the **CURSOR** ▲▼ keys to highlight the *Picture/Sound* category. Press **ENTER**.

4 Use the **CURSOR** ▲▼ keys to highlight the *Dynamic AI* option. Press **ENTER**.

5 Use the **CURSOR** ▲▼ keys to choose *On* or *Off*. Press the **EXIT** key to return to normal TV viewing.
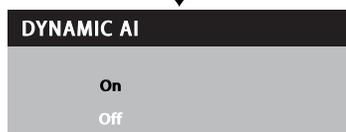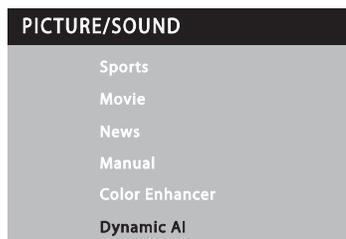
HELPFUL HINTS (PROBLEMS/SOLUTIONS)

Because of the Quality we build into our product, very few problems are actual TV defects. Most problems only involve simple hookup or setup changes that can be solved by the customer. Please check the chart below and try the solutions listed for your problem. If the problem still persists, **before returning your TV**, please visit our website at **www.sanyotv.com** or call us toll free at **1.800.877.5032**. *We Can Help!*

Problem:	Check these Conditions:	Try these Solutions:	Page No.
TV turns off automatically	• Check signal (Cable/Ant.) connection • Power surge protection feature	• Press **POWER** key. • The sleep timer may have been set. • Unplug TV momentarily.	**7, 15**
No picture, sound (Digital Picture)	• Check antenna/external connections • May be station trouble, NO signal broadcast • MUTE function may be on. • The Plasma TV takes a few seconds to display an image.	• Adjust antenna. • Try a different channel. • Press **RESET** key to restart channel search. • Adjust Volume.	**7, 15**
No Captioning	• Check if station is broadcasting a Closed-Caption signal. • Select another channel.	• Press **CAPTION** key to select captioning mode.	**21**
Cannot customize Caption	• Digital Caption signal is not being broadcast.	• Press **CAPTION** key to select Analog captioning.	**15, 21**
Cannot display picture on a full screen	• Pillar Box (4:3) signal being broadcast.	• Use the **PIX SHAPE** key to expand or zoom the image.	**15**
Poor Picture/Sound (watching Analog)	• Check if program is in color. • Check antenna/external connections. • Color or Tint misadjusted. • May be station trouble. • May be MUTE function is on.	• Try a different channel. • Adjust antenna. • Press **RESET** key to restart channel search. • Adjust Volume.	**12, 13, 15, 27**
"No Signal" message appears on screen	• Check Audio/Video connections. • Check external equipment connections. • Check external equipment setting. • Check antenna connection.	• Press **INPUT** key. • Switch on external equipment. • Turn antenna, install signal booster. • Set external equipment output connections to match input connections.	**11 ~ 14**
Pixilation of Digital image	• Press **INFO** key and check signal strength.	• Turn antenna, install signal booster. • Install outdoor Digital antenna.	**7, 14**
No TV Stereo or SAP sound	• Check if station is broadcasting a true MTS stereo signal or a SAP signal.	• Press **AUDIO** key.	**15**
Cannot select or scan some channels	• Channel may be removed from memory. • Check antenna connections. • No digital signal being broadcast • V-Guide is set to block programming. • Weak Signal	• Select CH. SCAN MEMORY and manually add channels or start CH. (channel) search. • Set V-Guide to ALLOW ALL or press **RESET** key to clear all settings and restart channel search. • Turn antenna, install signal booster.	**15, 17 ~ 19 22 ~ 23**
No Cable channels above number 13	• Cable Channel Indicator **C** should appear next to channel number.	• Switch Antenna Selection to Cable.	**18**
Remote Control will not work TV	• Check batteries. • Check if TV is plugged in.	• Replace batteries. • Aim remote control at front of TV.	**8, 14 ~ 15**
Poor Color	• Check if program is in color. • Color or Time misadjusted.	• Select Sports, Movie, or News to match the program you are watching in the menu system.	**27 ~ 28**
Afterimages (ghosts) appear	• Do not display the same image on screen for a long period of time. Afterimages or ghosts may appear on parts of the panel.	• Use the Screen Saver function. • Use the White Screen Feature to repair the panel.	**26**
Cabinet makes popping sound	• This is a normal condition during warm-up and cool down of the plastic cabinet parts.		

MEXICO GUARANTEE

IMPORTADOR:
COMERCIALIZADORA MEXICO
AMERICANA, S.DE R.L. DE C.V.
AV. NEXTENGO Nº 78
COL. SANTA CRUZ ACAYUCAN
DEL. AZCAPOTZALCO, MÉXICO, C.P. 02770
RFC: CMA9109119L0

> **DESCRIPTION: Television**
> **BRAND: SANYO**
> **MODEL: DP42545**

GUARANTEE

THE APPARATUS THAT YOU HAVE ACQUIRED HAS A ONE YEAR GUARANTEE FOR MANUFACTURING DEFECTS AND A ONE YEAR SERVICE WARRANTY FROM THE DATE OF PURCHASE GRANTED BY:

COMERCIALIZADORA MEXICO-AMERICANA, S. DE R.L. DE C.V.

UNDER THE FOLLOWING CONDITIONS:

1. TO MAKE THE GUARANTEE EFFECTIVE, SIMPLY SHOW THIS POLICY FILLED OUT BY THE STORE OR SUP-PLIER UNIT OR THIS SALES INVOICE, WITH THE APPARATUS IN ANY OF THE SERVICE CENTERS INDICATED ON THIS GUARANTEE.

2. IF THE FAULT IS ATTRIBUTED TO A MANUFACTURING DEFECT, THE APPARATUS WILL BE REPLACED OR YOUR MONEY REFUNDED. DURING THE 30 DAYS SUBSEQUENT TO THE PURCHASE THE GUARANTEE WILL BE VALID AT THE STORE WERE THE APPARATUS WAS PURCHASED, PRESENTING THE ABOVE DOCUMENTS.

3. REPAIR TIME WILL NEVER BE MORE THAN 30 DAYS. IF THIS TIME HAS ELAPSED, AND THE PRODUCT ISN'T REPAIRED, COMERCIALIZADORA MEXICO AMERICANA, S. DE R.L. DE C.V. WILL PROCEED TO EFFECTUATE THE EXCHANGE FOR AN EQUIVALENT APPARATUS OR THE RETURN OF THE BUYING-SALE COST RESPEC-TIVELY.

4. THIS GUARANTEE WILL COVER ITS TOTALITY OF PIECES, COMPONENTS AND SERVICE REPAIR OF PRODUCT, AND THE RESPECTIVE COST OF TRANSPORTATION.

THIS GUARANTEE WILL BE NULL AND VOID IN THE FOLLOWING CIRCUMSTANCES:

∗ WHEN PRODUCT HAS BEEN USED IN A DIFFERENT CONDITION THAN ITS NORMAL USE.

∗ WHEN PRODUCT HASN'T BEEN OPERATING CORRECTLY ACCORDING TO THE INSTRUCTIONS IN THIS MANUAL.

∗ WHEN PRODUCT HAS BEEN CHANGED OR REPAIRED BY PERSONS NOT AUTHORIZED FROM THE MANUFACTURER, IMPORTER, OR MERCHANT RESPONSIBLE RESPECTIVE.

CENTRO DE SERVICIO Y LUGAR DONDE OBTENER PARTES, COMPONENTES, CONSUMIBLES Y ACCESORIOS:

SUCURSAL VALLEJO   SUCURSAL MINERVA

Poniente 126 Nº 288 B   Silos Nº 135, Col. Minerva

Col. Nueva Vallejo   Deleg. Iztapalapa

México, D.F.   México, D.F. 09810

Tels. 5567-5378   Tels. 5646-4551

5368-0105, 8589-8033   5646-4550

> STAMP, DATE AND SIGNATURE
> OF
> STORE

DESCRIPTION: _____ **BRAND:** _____ **MODEL:** _____

CLIENT'S NAME: _____

ADDRESS: _____

EXTERIOR NUMBER: _____ INTERIOR NUMBER: _____

SUB DIVISION: _____ STATE/DELEGATION: _____

TELEPHONE: _____

UNITED STATES AND CANADA WARRANTY

ONE-YEAR LIMITED WARRANTY

THIS LIMITED WARRANTY IS VALID ONLY ON SANYO PLASMA TELEVISIONS PURCHASED AND USED IN THE UNITED STATES OF AMERICA, CANADA, AND PUERTO RICO, EXCLUDING THE UNITED STATES' OTHER TERRITORIES AND PROTECTORATES. THIS LIMITED WARRANTY APPLIES ONLY TO THE ORIGINAL PURCHASER, AND DOES NOT APPLY TO PRODUCTS USED FOR INDUSTRIAL OR COMMERCIAL PURPOSES.

FOR ONE YEAR from the date of purchase, Sanyo Manufacturing Corporation will replace any defective Plasma TV.

To insure proper warranty exchange, keep the original sales receipt for evidence of purchase. Return the defective Plasma TV to the retailer along with the receipt and the included accessories, such as the remote control. The defective Plasma TV will be exchanged for the same model, or a replacement model of equal value, if necessary. Replacement model will be contingent on availability and at the sole discretion of Sanyo Manufacturing Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

OBLIGATIONS

For one year from the date of purchase, Sanyo Manufacturing Corporation warrants this product to be free from defects in material and workmanship under normal use and conditions. Should replacement be necessary under this warranty for any reason due to manufacturing defect or malfunction during the first year from date of original purchase, Sanyo Manufacturing Corporation will provide a new Plasma TV via exchange at the retailer.

For customer assistance, whether during or out of the warranty period, call toll free 1-800-877-5032.

Weekdays 7:30 AM – 7:00 PM Central Time

Saturday   7:30 AM – 4:00 PM Central Time

This warranty expresses specific contractual rights; retail purchasers may have additional statutory rights which vary from state to state.

(EFFECTIVE: March 1, 2005)

For your protection in the event of theft or loss of this product, please fill in the information requested below and KEEP IN A SAFE PLACE FOR YOUR OWN PERSONAL RECORDS.

Model No._____   Date of Purchase _____

Serial No._____   Purchase Price _____

   (Located on back of unit)   Where Purchased_____

SANYO

Sanyo Manufacturing Corp.
3333 Sanyo Road, Forrest City, AR 72335

c **UL** us
LISTED   This symbol on the nameplate means the product is Listed by Underwriters' Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.